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**THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):**

Amended Sheets (Pages 45-50)

What is claimed is:

1. A precipitated silica which has the following physical and chemical properties:

5 CTAB surface area	100-160 m ² /g
BET surface area	100-190 m ² /g
DBP value	180-300 g/(100 g)
Sears value V ₂	15-28 ml/(5 g)
Moisture level	4-8%
10 Ratio of Sears value V ₂ to BET surface area	0.150 to 0.280 ml (5m ²)
2. The precipitate silica as claimed in claim 1,
15 wherein
the BET surface area is 100 to 170 m²/g.
3. The precipitated silica as claimed in claim 1 or
20 2,
wherein
the CTAB surface area is from 100 to 150 m²/g.
4. The precipitated silica as claimed in any of
claims 1 to 3,
25 wherein
the Sears value V₂ is from 20 to 28 ml/(5 g).
5. The precipitated silica as claimed in any of
claims 1 to 3,
30 wherein
the Sears value V₂ is from 22 to 28 ml/(5 g).
6. The precipitated silica as claimed in any of
claims 1 to 5,
35 wherein
the DBP value is from 200 to 250 g/(100 g).
7. The precipitated silica as claimed in any of

claims 1 to 5,

wherein

the DBP value is from 250 to 280 g/(100 g).

5 8. The precipitated silica as claimed in any of
claims 1 to 7,

wherein

the ratio of Sears value V_2 to the BET surface
area is from 0.170 to 0.280 ml/(5 m²).

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9. The precipitated silica as claimed in any of
claims 1 to 8,

wherein

the BET/CTAB ratio is from 0.9 to 1.2.

15

10. A process for preparing precipitated silicas,
which comprises

a) taking an aqueous solution of an alkali metal
silicate or alkaline earth metal silicate
and/or of an organic and/or inorganic base with
an alkali value from 7 to 30 as initial charge,

20

b) metering water glass and an acidifier
simultaneously into this initial charge at from
55 to 95°C, with stirring, for from 10 to 120
minutes, in such a way that during the
precipitation the AV remains constant at from
15 to 30,

25

c) using an acidifier to acidify to pH of from
approx. 2.5 to 6, and

30

d) filtering, washing and drying.

11. The process as claimed in claim 10,

wherein

the AV in step b) is from 18 to 30.

35

12. The process as claimed in claim 10 or 11,

wherein

after step a), the steps carried out comprise

b') stopping the feed for from 30 to 90 minutes while maintaining the temperature, and
b") then, at the same temperature, for from 10 to 120 minutes, preferably from 10 to 60 minutes,
5 simultaneously adding water glass and an acidifier in such a way that the AV remains constant during the precipitation.

13. The process as claimed in claim 10 or 12,
10 wherein
during step b) and/or b') and/or b") an organic or inorganic salt is added.

14. The process as claimed in any of claims 10 to 13,
15 wherein
for the drying process use is made of a pneumatic drier, spray drier, disk drier, belt drier, rotating-tube drier, flash drier, spin flash drier, or spray tower.
20

15. The process as claimed in claims 10 to 14,
wherein
after the drying process, a roller compactor is used for pelletizing.
25

16. The precipitated silica claimed in any of claims 1 to 9,
whose
Surfaces have been modified with organosilanes of
30 the formulae I to III
 $[SiR^1_n(OR)_r(Alk)_m(Ar)_p]_q[B]$ (I),
 $SiR^1_n(OR)_{3-n}(Alkyl)$ (II),
or
 $SiR^1_n(OR)_{3-n}(Alkenyl)$ (III),
35 where
B is $-SCN$, $-SH$, $-Cl$, $-NH_2$, $-OC(O)CHCH_2$,
 $-OC(O)C(CH_3)CH_2$ (if q = 1), or $-S_w-$ (if q

= 2), B being chemically bonded to Alk,
R and R¹ are an aliphatic, olefinic, aromatic, or
arylaromatic radical having 2-30 carbon
atoms, optionally with substitution by
the following groups: the hydroxyl,
amino, alcoholate, cyanide, thiocyanide,
halo, sulfonic acid, sulfonic ester,
thiol, benzoic acid, benzoic ester,
carboxylic acid, carboxylic ester,
acrylate, methacrylate, or organosilane
radical, where the meaning or
substitution of R and R¹ may be
identical or different,
n is 0, 1, or 2,
15 Alk is a bivalent unbranched or branched
hydrocarbon radical having from 1 to 6
carbon atoms,
m is 0 or 1,
Ar is an aryl radical having from 6 to 12
20 carbon atoms, preferably 6 carbon atoms,
which may have substitution by the
following groups: the hydroxyl, amino,
alcoholate, cyanide, thiocyanide, halo,
sulfonic acid, sulfonic ester, thiol,
benzoic acid, benzoic ester, carboxylic
acid, carboxylic ester, acrylate,
methacrylate or organosilane radical,
25 p is 0 or 1, with the proviso that p and n
are not simultaneously 0,
q is 1 or 2,
30 w is a number from 2 to 8,
r is 1, 2, or 3, with the proviso that r +
n + m + p = 4,
Alkyl is a monovalent unbranched or branched
35 saturated hydrocarbon radical having
from 1 to 20 carbon atoms, preferably
from 2 to 8 carbon atoms,
Alkenyl is a monovalent unbranched or branched

unsaturated hydrocarbon radical having
from 2 to 20 carbon atoms, preferably
from 2 to 8 carbon atoms.

5 17. The precipitated silica as claimed in any of
claims 1 to 9,

whose

surfaces have been modified with organosilicon
compounds whose composition is

10 $\text{SiR}^2_{4-n}X_n$ (where $n = 1, 2, 3, 4$),

$[\text{SiR}^2_xX_yO]_z$ (where $0 \leq x \leq 2; 0 \leq y \leq 2; 3 \leq z \leq 10$,
where $x + y = 2$),

$[\text{SiR}^2_xX_yN]_z$ (where $0 \leq x \leq 2; 0 \leq y \leq 2; 3 \leq z \leq 10$,
where $x + y = 2$),

15 $\text{SiR}^2_nX_mOSiR^2_oX_p$ (where $0 \leq n \leq 3; 0 \leq m \leq 3; 0 \leq o$
 $\leq 3; 0 \leq p \leq 3$, where $n + m = 3, o + p = 3$),

$\text{SiR}^2_nX_mNSiR^2_oX_p$ (where $0 \leq n \leq 3; 0 \leq m \leq 3; 0 \leq o$
 $\leq 3; 0 \leq p \leq 3$, where $n + m = 3, o + p = 3$),

and/or

20 $\text{SiR}^2_nX_m[\text{SiR}^2_xX_yO]_z\text{SiR}^2_oX_p$ (where $0 \leq n \leq 3; 0 \leq m \leq 3;$
 $0 \leq x \leq 2; 0 \leq y \leq 2; 0 \leq o \leq 3; 0 \leq p \leq 3; 1 \leq z \leq$
 $10\,000$, where $n + m = 3, x + y = 2, o + p = 3$)

where

25 R^2 is alkyl and/or aryl radicals, substituted
and/or unsubstituted, having from 1 to 20
carbon atoms, and/or is alkoxy and/or alkenyl
and/or alkynyl groups, and/or is sulfur-
containing groups,

X is a silanol, amino, thiol, halogen, alkoxy,
30 alkenyl and/or hydrogen radical.

18. A process for preparing the silicas as claimed in
claim 16 or 17,

which comprises

35 modifying the precipitated silicas with
organosilanes in mixtures of from 0.5 to 50 parts,
based on 100 parts of precipitated silica, in
particular from 1 to 15 parts, based on 100 parts

of precipitated silica, where the reaction between precipitated silica and organosilane is carried out during the preparation of the mixture (in situ) or externally via spray application and subsequent heat-conditioning of the mixture, via mixing of the organosilane and the silica suspension with subsequent drying and heat-conditioning.

10 19. The use of silicas as claimed in any of claims 1 to 18 in elastomer mixtures, in vulcanizable rubber mixtures, and/or in other vulcanizates, such as pneumatic tires, tire treads, cable sheathing, hoses, drive belts, conveyor belts, V-belts, roller coverings, tires, shoe soles, gaskets, and damping elements.

20 20. The use of silicas as claimed in any of claims 1 to 18 in battery separators, as antiblocking agent, as matting agent in inks and paints, as carrier for agricultural products and for feeds, in coatings, in printing inks, in fire-extinguisher powders, in plastics, in the non-impact printing sector, in paper pulp, or in the personal care sector.

25 21. A vulcanizable rubber mixture or a vulcanizate comprising, as filler, the precipitated silica as claimed in claim 1, with the following physical and chemical properties:

CTAB surface area	100-160 m ² /g
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